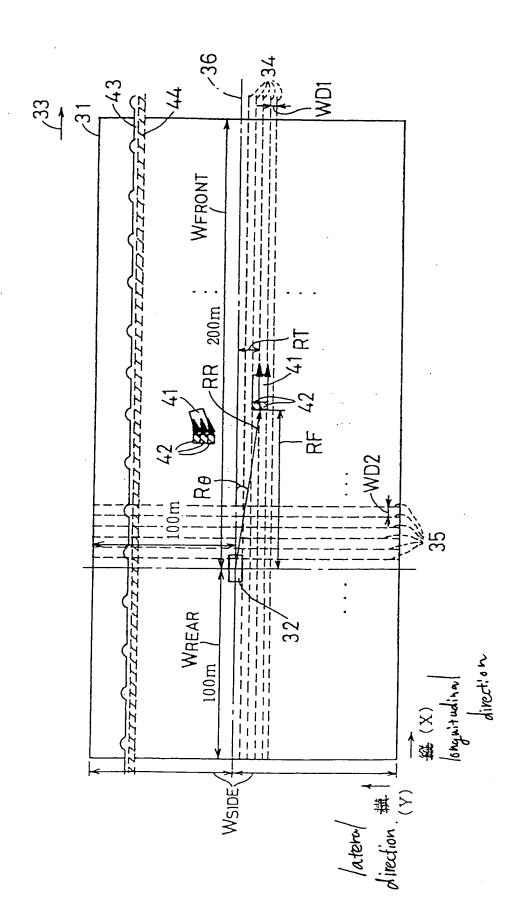
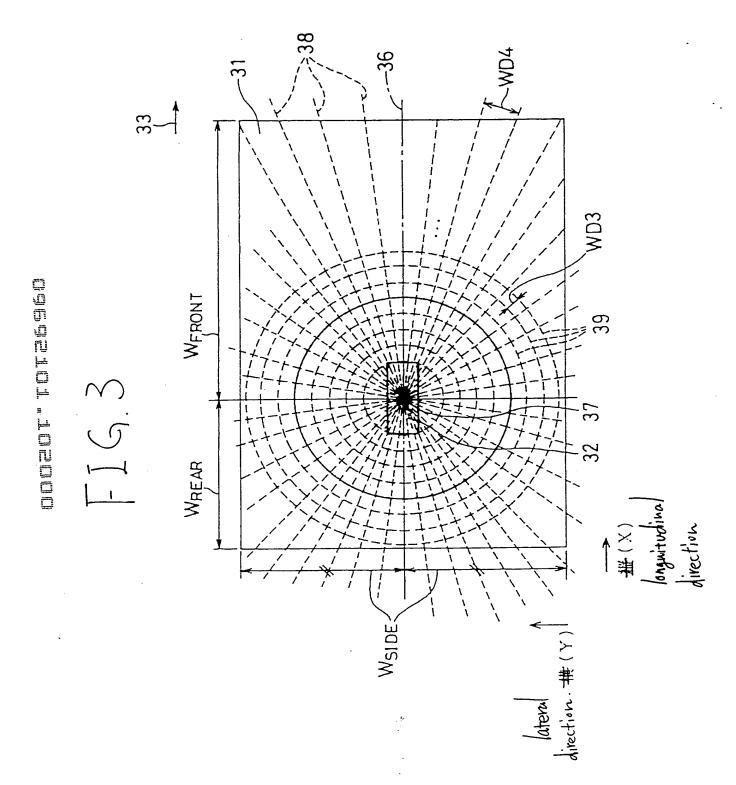


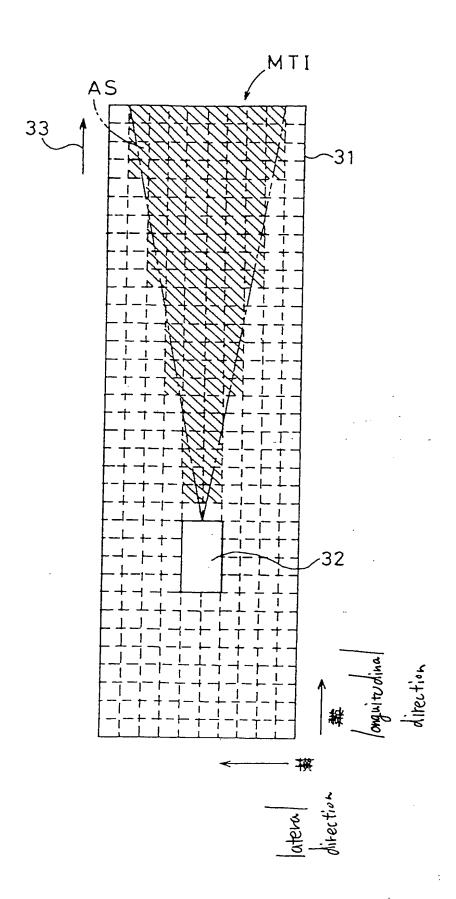
5 CONTROLLER 14 INFORMATION ACCURACY STORAGE SECTION 18 FIRST RELIABILITY DERIVATION SECTION 4 INFORMATION INTEGRATION APPARATUS 24 CONTROL INFORMATION GENERATION SECTION 25 PROCESSING EXECUTION SECTION 22 PROCESSING SELECTION SECTION 27 INTERNAL COMBUSTION ENGINE 28 BRAKE MECHANISM 29 ALARM 31 DETECTION SPACE 13 CONVERSION INFORMATION MEMORY 21 ENVIRONMENT RECOGNITION SECTION 17 FIRST RELIABILITY STORAGE SECTION 3 INFORMATION CAPTURING APPARATUS 11 SENSOR 12 PARAMETER CONVERSION SECTION 23 REFERENCE RELIABILITY STORAGE SECTION INFORMATION PROCESSING APPARATUS 19 RELIABILITY INTEGRATION SECTION 15 PARAMETER INTEGRATION SECTION

26 IGNITION SWITCH

FIG. 2

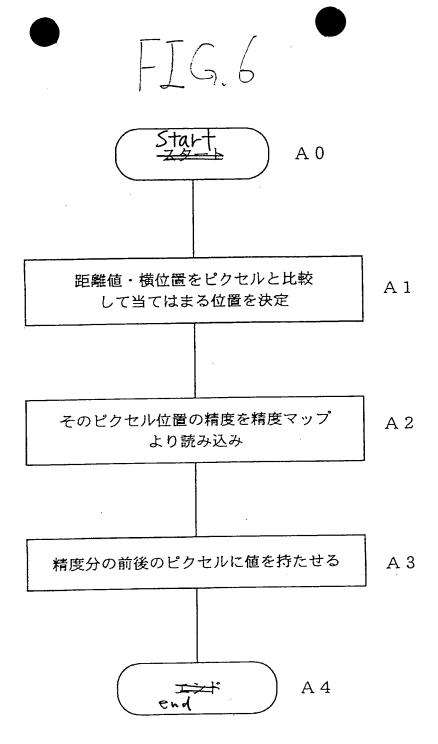






F16.5

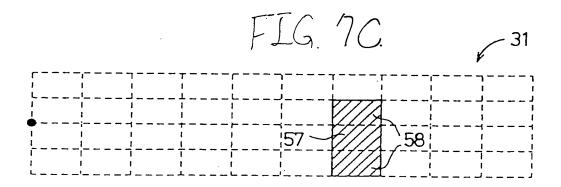
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32	8 8 8 8 8	Hm 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1	m 1m 1m 1m 1m	8 8 8 8 8	2.5 m		
31	8 8 8	\(\omega\)			(0.0)	longaitudinal	direction
		3 1 2 3 3 1	lateral	direction 華			



A1 DETERMINE POSITION BY COMPARING DISTANCE AND LATERAL POSITION WITH PIXEL A2 READ ACCURACY OF PIXEL POSITION FROM ACCURACY MAP A3 IMPART VALUE CORRESPONDING TO ACCURACY TO ADJACENT PIXELS

						IG.	•	√	✓ MQ _{RT}
1 &	. ∞ !	. ∞	∞		_ ∞	1m	1m	1m	1m -1m
lm	lm	lm	lm	lm	1m	- 1m	lm	lm	1 m + -0.5m
lm	lm	1m	lm	lm	1/n		lm	1m	ו וזז [
		∞	∞	∞	∞	-1m	\1m	11m	1m 0.5m
58 3m 57 5m									

				F	IG	.7E	3	¥	M(3 _{RF}
[&	. ∞ !	, œ	∞	lm	lm	lm	lm	lm	1m	
<u> </u> ∞	∞	0.5m	0.5m	0.5m	0.5m	0.5m	0.5m	lm	lm	
		0.5m	0.5m	0.5m	0.5m	8,550	0.5m	1m	1m	
	∞	lm	lm	lm	lm	1m	\lm	lm	lm	
							57		3	



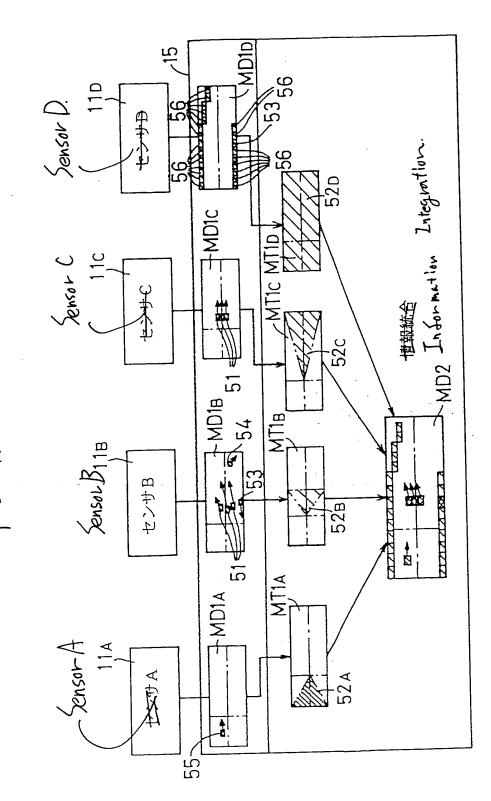
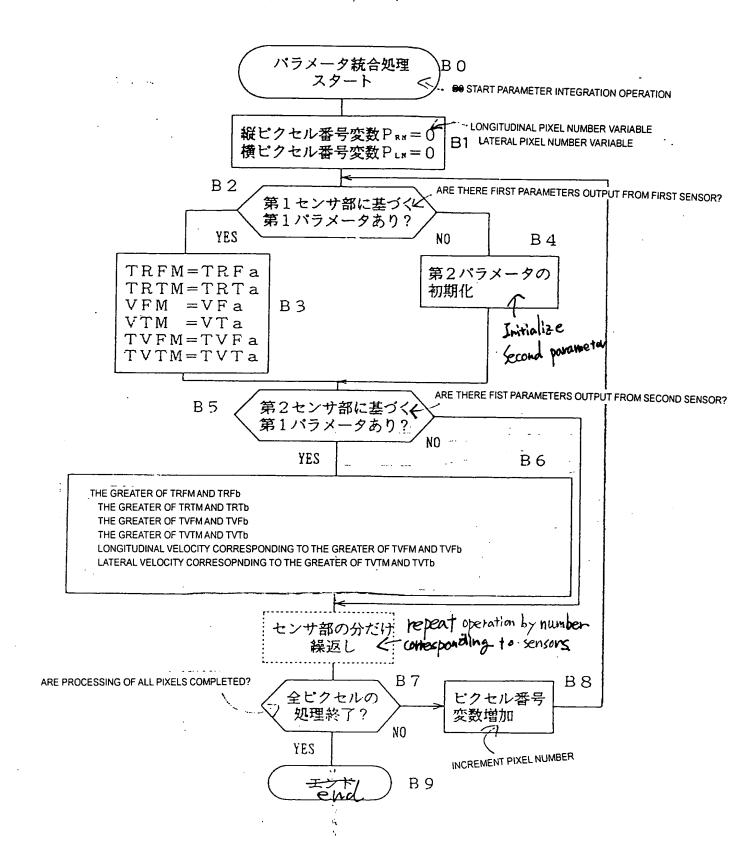


FIG.9



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C 1 S

野難デー 出力

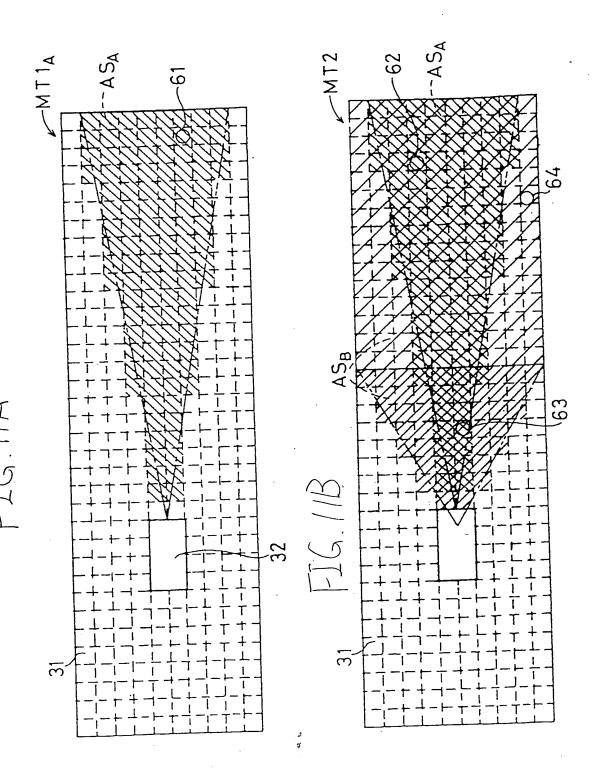
C2 / CALCULATE RELIABILITY Tra FROM DI

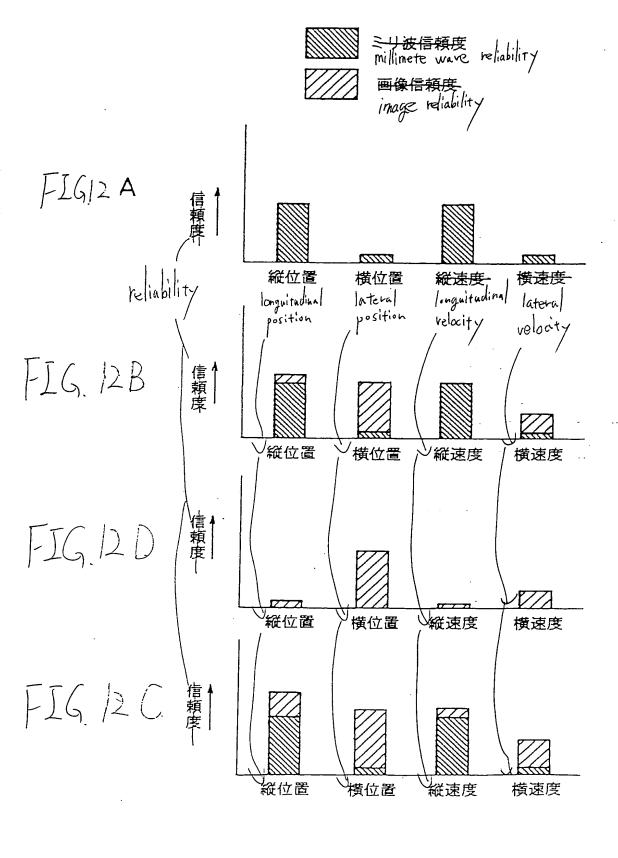
CALCULATE Tqa FROM ANGLE qa BY R

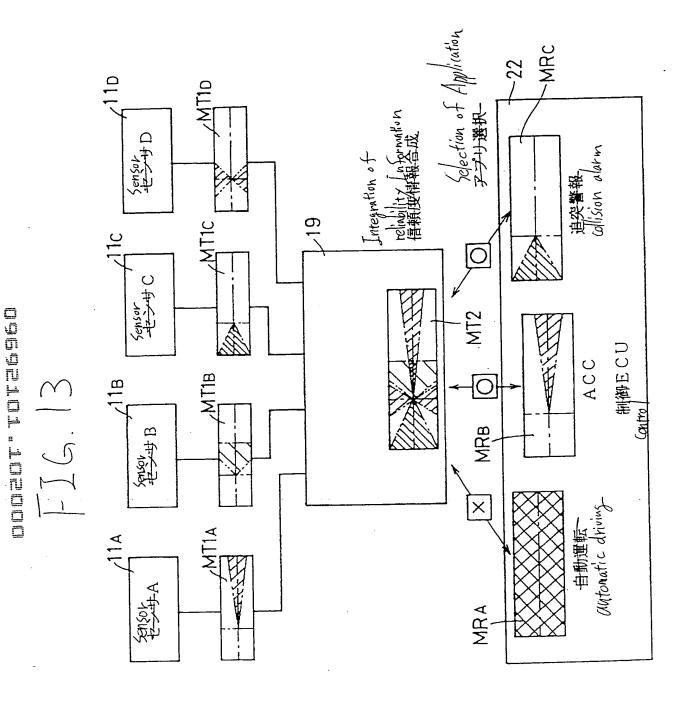
E RA BY REFERENCE TO POSITION RELIABILITY MAP,

NCE TO POSITION RELIABILITY MAP



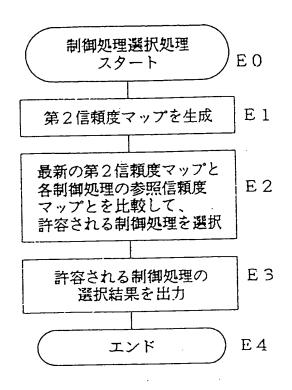






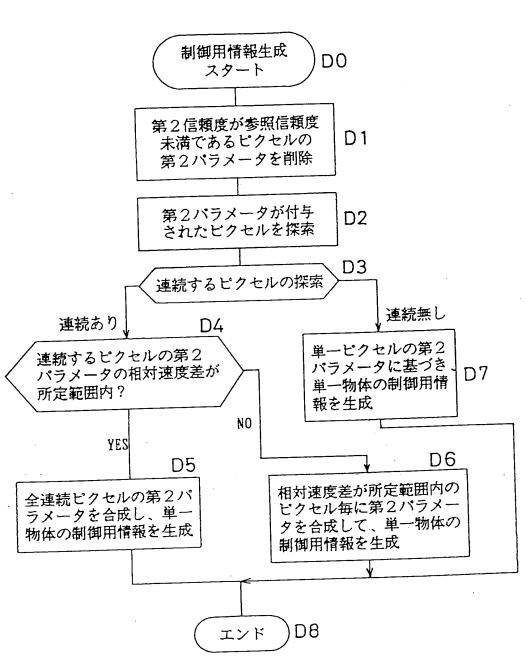
1.

FIG. 14



E0 START SELECTION OF CONTROL PROCESSING
E1 GENERATE SECOND RELIABILITY MAP
E2 SELECT ALLOWABLE CONTROL PROCESSING BY COMPARISON OF LATEST SECOND RELIABILITY MAP
WITH REFERENCE RELIABILITY MAP OF CONTROL PROCESSING
E3 OUTPUT RESULT OF SELECTION OF ALLOWABLE CONTROL OPERATION
E4 END

FIG. 15



- DO START GENERATION OF CONTROL INFORMATION
- D1 DELETE SECOND PARAMETERS FROM PIXELS

HAVING SECOND RELIABILITY LESS THAN REFERENCE RELIABILITY

- D2 RETRIEVE PIXEL HAVING SECOND PARAMETER
- D3 RETRIEVE CONTINUOUSLY-POSITIONED PIXELS
- D4 DOES DIFFERENCE IN RELATIVE SPEED BETWEEN SECOND PARAMETERS OF CONTINUOUSLY-POSITIONED PIXELS FALL WITHIN A PREDETERMINED RANGE?
- D7 GENERATE CONTROL INFORMATION ABOUT SINGLE OBJECT

ON THE BASIS OF SECOND PARAMETERS ASSIGNED TO SINGLE PIXEL

- D5 GENERATE CONTROL INFORMATION ABOUT SINGLE OBJECT
 - BY INTEGRATION OF SECOND PARAMETERS ASSIGNED TO ALL CONTINUOUSLY-POSITIONED PIXELS.
- D6 GENERATE CONTROL INFORMATION FOR SINGLE OBJECT
 - BY INTEGRATION OF SECOND PARAMETERS FOR EACH SET OF PIXELS

WHOSE RELATIVE VELOCITIES DIFFER FROM EACH OTHER WITHIN A PREDETERMINED RANGE.

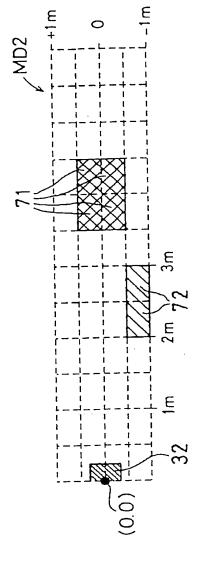
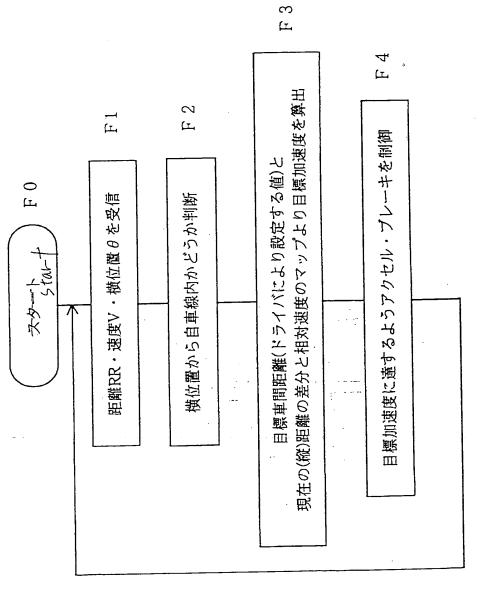


FIG./6A

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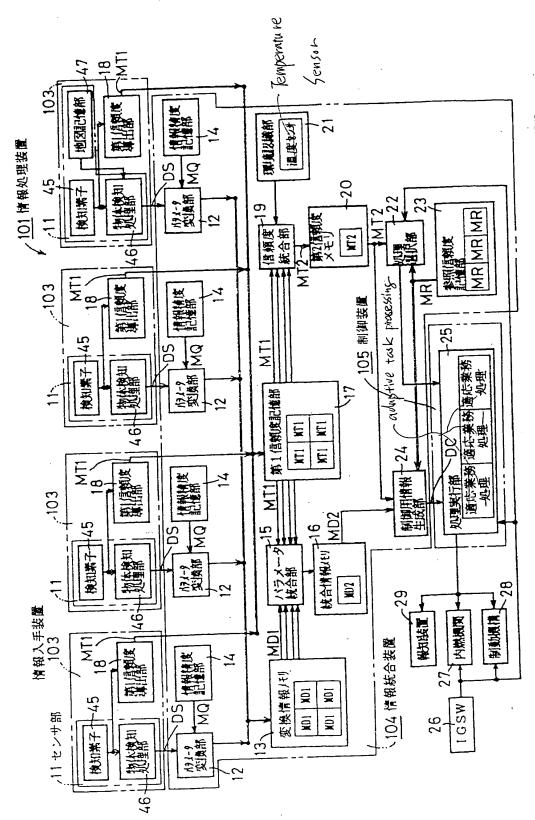
F1 RECEIVE DISTANCE RR, VELOCITY V, LATERAL POSITION 9

F2 DETERMINE WHETHER OR NOT OBJECT IS LOCATED IN THE LANE DOWN WHICH VEHICLE IS DRIVING, FROM LATERAL POSITION

BETWEEN TARGET CAR-SPACE DISTANCE (SET BY DRIVER) AND CURRENT (LONGITUDINAL) POSITION. F3 CALCULATE TARGET ACCELERATION FROM DIFFERENCE

F4 CONTROL THROTTLE AND BRAKE SO AS TO ATTAIN TARGET ACCELERATION AND RELATIVE VELOCITY MAP

F16. 6:



101 INFORMATION PROCESSING APPARATUS
105 CONTROLLER
11 SENSOR
14 INFORMATION ACCURACY STORAGE SECTION
18 FIRST RELIABILITY DERIVATION SECTION
19 RELIABILITY STORAGE SECTION
22 PROCESSING SELECTION SECTION
23 REFERENCE RELIABILITY STORAGE SECTION

31DETECTION SPACE

25 PROCESSING EXECUTION SECTION

S 104 INFORMATION INTEGRATION APPARATUS
13 CONVERSION INFORMATION MEMORY
17 FIRST RELIABILITY STORAGE SECTION
21 ENVIRONMENT RECOGNITION SECTION
24 CONTROL INFORMATION GENERATION SECTION

23 REFERENCE RELIABILITY STORAGE SECTION 24 CONTROL INFORMATION GENERATION SEC 6 IGNITION SWITCH 27 INTERNAL COMBUSTION ENGINE 28 BRAKE MECHANISM